

200512.33_ST25.txt
SEQUENCE LISTING

<110> Case Western Reserve University
<120> Defensin-Inducing Agents and Related Methods
<130> 200512.00033
<140> US 10/538,811
<141> 2005-06-13
<150> PCT/US03/40221
<151> 2003-12-15
<150> 60/433,100
<151> 2002-12-13
<160> 8
<170> PatentIn version 3.4
<210> 1
<211> 121
<212> PRT
<213> Fusobacterium nucleatum
<400> 1
Met Ser Leu Phe Leu Val Ala Cys Gly Glu Lys Lys Glu Glu Glu Lys
1 5 10 15
Pro Ala Glu Gln Ala Ala Val Glu Ala Thr Ala Thr Glu Ala Pro Ala
20 25 30
Thr Glu Thr Thr Glu Ala Ala Ala Glu Ala Lys Thr Phe Ser Leu Lys
35 40 45
Thr Glu Asp Gly Lys Glu Phe Thr Leu Val Val Ala Ala Asp Gly Ser
50 55 60
Thr Ala Thr Leu Thr Asp Ala Glu Gly Lys Ala Thr Glu Leu Lys Asn
65 70 75 80
Ala Glu Thr Ala Ser Gly Glu Arg Tyr Ala Asp Glu Ala Gly Asn Glu
85 90 95
Val Ala Met Lys Gly Ala Glu Gly Ile Leu Thr Leu Gly Asp Leu Lys
100 105 110
Glu Val Pro Val Thr Val Glu Ala Lys
115 120

<210> 2
<211> 366
<212> DNA

<213> Fusobacterium nucleatum

<400> 2

```

atgagtttat tcttagtagc ttgtggagaa aaaaaagaag aagaaaaacc agctgaacaa      60
gctgctgtag aagcaactgc aactgaagca cctgctacag aaacaactga agctgctgct      120
gaagctaaaa cattctcact taaaactgaa gatggaaaag aattcacatt agtagttgct      180
gctgatggaa gtactgcaac ttttaactgat gcagaaggaa aagcaactga attaaaaaat      240
gctgaaactg catctggaga aagatatgca gatgaagctg gaaacgaagt tgctatgaaa      300
ggtgcagaag gaatcttaac tttaggagac cttaaagaag taccagtaac tgttgaagct      360
aatag                                          366

```

<210> 3

<211> 130

<212> PRT

<213> Fusobacterium nucleatum

<400> 3

```

Met Lys Lys Ile Leu Leu Leu Leu Ser Ser Leu Phe Leu Phe Ala Cys
1           5           10           15

```

```

Ala Asn Ile Asp Thr Gly Val Asp Glu Ser Lys Glu Ala Gln Ile Ser
          20           25           30

```

```

Arg Leu Leu Lys Glu Ala Asp Lys Lys Lys Glu Lys Thr Val Glu Val
      35           40           45

```

```

Glu Lys Lys Leu Val Thr Asp Asn Gly Glu Glu Val Ile Glu Glu Glu
50           55           60

```

```

Ala Thr Val Gln Asn Lys Lys Ser His Lys Gly Met Thr Arg Gly Glu
65           70           75           80

```

```

Ile Met Glu Tyr Glu Met Thr Arg Val Ser Asp Glu Met Asn Ala Leu
      85           90           95

```

```

Gln Ala Asp Val Gln Gln Tyr Gln Glu Lys Lys Ala Gln Leu Lys Ala
          100           105           110

```

```

Tyr Gln Glu Lys Leu Gln Lys Leu Glu Glu Leu Ile Asn Asn Ala Gly
          115           120           125

```

```

Ile Lys
     130

```

<210> 4

<211> 390

<212> DNA

<213> Fusobacterium nucleatum

<400> 4

```

ttgaaaaaaa tattattact attatcttct ttatTTTTat ttgcttgtgc taatatagat      60
acaggtgtag atgaaagtaa agaagctcaa atatcaagac ttttaaaaga agctgataag      120
aaaaaagaaa aaacagtaga agtagaaaag aaacttgtaa ctgataatgg agaggaagtt      180
atagaggaag aagctaccgt tcaaaacaaa aaatcacata aaggaatgac aagaggggaa      240
ataatggaat atgaaatgac aagagtttca gatgaaatga atgccctaca agcggatgta      300
caacaatatc aagaaaagaa agcacaaacta aaagcatacc aagaaaaatt acaaaaatta      360
gaagaattaa ataatgcagg aataaaataa      390

```

<210> 5

<211> 123

<212> PRT

<213> Fusobacterium nucleatum

<400> 5

```

Met Lys Lys Val Ile Leu Thr Leu Phe Val Leu Leu Ser Ile Gly Ile
 1          5          10          15

Phe Ala Asn Asp Glu Ile Ile Ser Glu Leu Lys Gly Leu Asn Ala Glu
          20          25          30

Tyr Glu Asn Leu Val Lys Glu Glu Glu Ala Arg Phe Gln Lys Glu Lys
          35          40          45

Glu Leu Ser Glu Arg Ala Ala Ala Gln Asn Val Lys Leu Ala Glu Leu
          50          55          60

Lys Ala Ser Ile Glu Glu Lys Leu Leu Ala Ala Pro Glu Glu Arg Lys
65          70          75          80

Thr Lys Phe Phe Lys Asp Thr Phe Asp Gly Leu Val Lys Asp Tyr Ser
          85          90          95

Lys Tyr Leu Ser Gln Ile Asn Glu Lys Ile Ala Glu Asn Thr Glu Ile
          100          105          110

Val Ser Asn Phe Glu Lys Ile Gln Lys Ile Arg
          115          120

```

<210> 6

<211> 372

<212> DNA

<213> Fusobacterium nucleatum

200512.33_ST25.txt

<400> 6
atgaaaaaag ttattttaac attatttggt ttattatcta ttggaatatt tgcaaatgat 60
gagattatatt cagagttaaa aggacttaat gctgagtatg aaaatttagt aaaagaagaa 120
gaagctagat ttcaaaaaga aaaagaactt tctgaaagag cagcagctca aaatgttaaa 180
ttggctgaat taaaagcaag cattgaagaa aaattgtagt cagctccaga agaaagaaaa 240
acaaaatttt ttaaagatac ttttgatggt ttagtgaaag attattcaaa atattttaagt 300
caaataaatg aaaaaatagc tgaaaatact gaaatagtaa gtaattttga aaaaattcaa 360
aaaataagat ag 372

<210> 7
<211> 129
<212> PRT
<213> Fusobacterium nucleatum

<400> 7
Met Lys Lys Phe Leu Leu Leu Ala Val Leu Ala Val Ser Ala Ser Ala
1 5 10 15
Phe Ala Ala Asn Asp Ala Ala Ser Leu Val Gly Glu Leu Gln Ala Leu
20 25 30
Asp Ala Glu Tyr Gln Asn Leu Ala Asn Gln Glu Glu Ala Arg Phe Asn
35 40 45
Glu Glu Arg Ala Gln Ala Asp Ala Ala Arg Gln Ala Leu Ala Gln Asn
50 55 60
Glu Gln Val Tyr Asn Glu Leu Ser Gln Arg Ala Gln Arg Leu Gln Ala
65 70 75 80
Glu Ala Asn Thr Arg Phe Tyr Lys Ser Gln Tyr Gln Asp Leu Ala Ser
85 90 95
Lys Tyr Glu Asp Ala Leu Lys Lys Leu Glu Ser Glu Met Glu Gln Gln
100 105 110
Lys Ala Ile Ile Ser Asp Phe Glu Lys Ile Gln Ala Leu Arg Ala Gly
115 120 125

Asn

<210> 8
<211> 390
<212> DNA
<213> Fusobacterium nucleatum

200512.33_ST25.txt

<400> 8	
atgaaaaaat ttttattatt agcagtatta gctgtttctg cttcagcatt cgcagcaaat	60
gatgcagcaa gtttagtagg tgaattacaa gcattagatg ctgaatacca aaacttagca	120
aatcaagaag aagcaagatt caatgaagaa agagcacaag ctgacgctgc tagacaagca	180
ctagcacaaa atgaacaagt ttacaatgaa ttatctcaaa gagctcaaag acttcaagct	240
gaagctaaca caagatttta taaatctcaa taccaagatc tagcttctaa atatgaagac	300
gctttaaaga aattagaatc tgaaatggaa caacaaaaag ctattatttc tgattttgaa	360
aaaattcaag ctttaagagc tggtaactaa	390